

PAVLENKO, V.; SANDLER, L.; VOROB'YEV, F.

Investigating the resistance and wake of 1000-ton capacity lighters
in operation. Rech. transp. 20 no.9:31-33 S '61. (MIRA 14:9)

1. Novosibirskiy institut inzhenerov vodnogo transporta.
(Ship trials)

VOROB'YEV, P., inzh.

Using infrared rays for drying grain. Muk.-elev. prom. 27 no.1:
30-32 Ja '61. (MIRA 14:1)

1. Zaporozhskiy filial Vsesoyuznyy nauchno-issledovatel'skogo
instituta elektrifikatsii sel'skogo khozyaystva.

(Grain—Drying)

(Infrared rays—Industrial application)

KHARKHAROV, A.A., prof.; VOROB'YEV, P.A.

"Finishing of textile fabrics" by P.I.Sadov, M.V.Korchagin.
Reviewed by A.A.Kharkharov, P.A.Vorob'ev. Tekst. prom.
20 no. 12:80-81 D '60. (MIRA 13:12)

1. Leningradskiy tekstil'nyy institut imeni S.M.Kirova (for
Kharkharov). 2. Zamestitel' direktora Vsesoyuznogo nauchno-
issledovatel'skogo instituta tekstil'nogo i legkogo
mashinostroyeniya.

(Textile finishing)

(Sadov, P.I.)

(Korchagin, M.V.)

MALYSHEV, Aleksandr Petrovich, prof., doktor tekhn.nauk; ~~VOROB'YEV,~~
~~Fayel Aleksandrovich, kand. tekhn.nauk; DOBROGURSkiy, S.O.,~~
prof., doktor tekhn.nauk, retsenzent; MITROPOL'SKIY, B.I.,
dots., kand.tekhn.nauk, retsenzent; DITSKIY, A.V., kand.tekhn.
nauk, red.; EL'KIND, V.D., tekhn.red.; CHERNOVA, Z.I., tekhn.
red.

[Mechanics and design calculations of looms] Mekhanika i kon-
struktivnye raschety tkatskikh stankov. Moskva, Gos.nauchno-
tekhn. izd-vo mashinostroit. lit-ry, 1960. 552 p.

(MIRA 14:5)

(Looms)

VOROB'YEV, P.A.

Weaving without shuttles and spinning without spindles.
Izobr. i rata. no.8:4-5 Ag '61. (MIRA 14:9)

1. Direktor Vsesoyuznogo nauchno-issledovatel'skogo instituta
tekstil'nogo i legkogo mashinostroyeniya.
(Textile industry--Technological innovations)

SEREBRYAKOV, Mikhail Yevgen'yevich. Prinimali uchastiye: VOROB'YEV,
P.A., kand. tekhn. nauk; SIROTINSKIY, V.F., kand. tekhn. nauk;
YECOROV, V.S., kand. tekhn. nauk; DMITRIYEVSKIY, A.A., doktor
tekhn. nauk, prof., retsenzent; USTINOV, V.P., kand. tekhn.
nauk, dots., retsenzent; DEMUSYAK, A.G., inzh., nauchnyy red.;
MOROZOVA, P.B., red. izd-va; KARPOV, I.I., tekhn. red.

[Interior ballistics of barrel systems and powder rockets]
Vnutrenniaya ballistika stvol'nykh sistem i porokhovykh raket.
3. izd., dop. i perer. Moskva, Oborongiz, 1962. 703 p.
(MIRA 15:12)

(Ballistics, Interior)

VOROB'YEV, PA

Ca

Diagram of the ternary system: lead iron sulfur.
G. G. Urazov, P. A. Vorob'ev and Ya. V. Almbinder.
Ann. inst. anal. phys. (Leningrad) 6, 254(1933);
Met. Abstracts (in Metals & Alloys) 5, 42. Investigation
of the diagram of the ternary system of Fe, Pb and S
makes it possible to characterize the direction of the reac-
tion: $PbS + Fe \rightleftharpoons FeS + Pb$ in relation to the temp.
The reaction at high temp. moves from right to left and at
the temp. of crys. in the reverse direction. G. G.

ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION

VOROB'YEV, P. A.

BELUGIN, D.A., kandidat voyennykh nauk, polkovnik; ZVEREV, V.Ya.,
polkovnik; DANILIN, V.N., inzhener-polkovnik; VOROB'YEV, P.A.
polkovnik, redaktor; KONOVALOVA, Ye.K., tekhnicheskii redaktor.

[Artillery reconnaissance by instruments; a textbook for
artillery schools] Artilleriiskaia instrumental'naya razvedka;
uchebnik dlia artilleriiskikh uchilishch. Moskva, Voen.izd-vo
M-va obor.SSSR, 1956. 483 p. (MIRA 10:6)

(Military reconnaissance)

(Artillery, Field and mountain)

VOROB'YEV, P.A.; SHYKOVA, Ye.I.; KOVNEREV, I.P.; VASIL'YEV,
N.A., retsenzent; ZAVARSKIY, A.I., red.

[Breeding Romanov sheep] Razvedenie romanovskikh ovets.
Moskva, Kolos, 1965. 191 p. (MIRA 18:12)

1. Glavnoye upravleniye zhivotnovodstva Ministerstva
sel'skogo khozyaystva SSSR (for Vasil'yev).

VOROB'YEV, P. A., Candidate Agric Sci (diss) -- "The meat productivity of sheep of the Kuybyshev breed". Moscow, 1959. 13 pp (All-Union Acad Agric Sci im V. I. Lenin, All-Union Sci Res Inst of Animal Husbandry), 150 copies (KL, No 26, 1959, 127)

VOROB'YEV, P.A., aspirant

Difficulties in producing lamb. Zhivotnovodstvo 21 no.1:17-21
Ja '59. (MIRA 12:2)

1. Vsesoyuznyy institut zhivotnovodstva.
(Lambs)

VOROB'YEV, P.A., polkovnik, red.; SOROKIN, V.V., tekhn.red.

[Artillery fire manual for field artillery officers] Artilleriisko-
strelkovaia knizhka ofitsera nazemnoi artillerii. Moskva, Voen.
izd-vo M-va obr. SSSR, 1957. 104 p. (MIRA 11:4)
(Artillery, Field and mountain)

VOROB' YEV, P. A., (Engr)

Stability of Motion, Vibration, Regulation

Dissertation: "Unsettled Running of a Loom (Calculation of a Drive)." Cand Tech Sci,
Moscow Textile Inst, 25 Mar 54. (Vechernyaya Moskva, Moscow, 16 Mar 54)

SO: SUM 213, 20 Sep 1954

VOROB'YEV, P.A., inzhener.

Automatic control of a skip hoist. *Energetik* 2 no.3:13-15 Mr '54.
(MLRA 7:5)
(Hoisting machinery)

L 46177-66 EWT(1) GG

ACC NR: AP6028625

SOURCE CODE: UR/0057/66/036/008/1492/1498

AUTHOR: Vorob'yev, P.A.; Mesyats, G.A.; Potalitsyn, Yu.F. 47

ORG: Tomsk Polytechnic Institute im. S.M.Kirov (Tomskiy politekhnicheskiy institut)

TITLE: A new high-power controlled nanosecond switch 25

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 8, 1966, 1492 1498

TOPIC TAGS: electric switch, high power switch, spark gap, nanosecond pulse

ABSTRACT: The authors describe a fast high-power switch based on the rapid successive breakdown of a large number (15 or 30) of series-connected short 200 micron gaps between coaxial cylindrical electrodes by capacitive coupling to a single cylindrical trigger electrode coaxial with them. The operation of the device is analyzed in terms of a simple equivalent circuit of which the principal parameters are the capacities between successive gap electrodes, between a gap electrode and the trigger electrode, and between a gap electrode and ground. Four switches were constructed and tested, and the results obtained with two of them are presented. In each of the instruments the 8 mm long, 28 mm diameter gap electrodes were mounted on a hollow cylindrical insulator which enclosed the cylindrical trigger electrode. The gap potentials during the waiting period were equalized by connecting the electrodes to a high resistance voltage divider. The switch chamber was filled with argon at from 1 to 6 atmospheres. In the tests the working voltage was varied from 4 to 40 kV, and in most of the tests

Card 1/2

L 45177-66
ACC NR: AP6028625

the switch was triggered with a 5 to 10 kV 100 to 200 nanosec pulse with a rise time of 2 nanosec. In one series, a 7 kV 300 nanosec trigger pulse with a 20 nanosec rise time was used. The rise times of the output pulses ranged from 1 to 2.8 nanosec. The delay between trigger and output pulses ranged from 11 to 136 nanosec, and the dispersion of this delay ranged from 2 to 108 nanosec. Under most conditions the delay was between 15 and 30 nanosec and its dispersion was between 5 and 20 nanosec. The delay, and particularly its dispersion, decreased rapidly with increasing working voltage, and at 40 kV, the delay dispersion for the 30 gap switch was only 2 nanosec. Advantages of the switch are the lack of connection between the trigger and controlled circuits, the low gas pressure required, the stability of the delay time, and the wide range of working voltages. The authors thank B.M. Koval'chuk for his creative participation in the work from its initial stages. Orig. art. has: 7 formulas, 5 figures and 1 table. [15]

SUB CODE: 09,20 /

SUBM DATE: 16Aug65

ORIG.REF: 007

Card 2/2 mt

VOROB'YEV, P.F., inzh.

Basic tasks in the further development of freight transportation
on small rivers. Rech. transp. 17 no. 6:3-5 Je '58. (MIRA 11:7)
(Inland water transportation)

VOROB'YEV, Petr Fedotovichi; BULANOV, N.L., red.; LOBANOV, Ye.M., red.
izd-va; BOBROVA, V.A., tekhn.red.

[Organization of freight and passenger transportation on small
rivers] Opyt organizatsii gruzovykh i passazhirskikh perevozok
na mal'kikh rekakh. Moskva, Izd-vo "Rechnoi transport," 1959.
32 p. (MIRA 13:6)

(Inland water transportation)

YOROB'YEV, P.Y., insh.

Waterways of the Iraqi Republic. Rech.transp. 18 no.12:54-55
D '59. (MIRA 13:4)

(Iraq--Waterways)

VOROB'YEV, P.F.

Hydraulic dredge. Rech.transp. 13 no.1:44-45 Ja-P '53. (MIRA 6:11)
(Dredging machinery)

VOROB'YEV, P. F. (ENG)

Dredging

Using dredged ground for corrective constructions. Rech. trans. 12 no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.
2

VOROB'YEV, P. F. (Engineer)

Hydraulic Engineering

Using dredged ground for corrective construction Rech. transp. 12 No. 3 1952.

9. Monthly List of Russian Accessions, Library of Congress, August ²195~~3~~. Unclassified.

OFITSEROV, A.S.; VOROB'YEV, P.F.

Dams with buttresses behind the crest. Nauch.dokl.vys.shkoly;
energ. no.1:243-246 '59. (MIRA 12:5)

1. Nauchno-tekhnicheskaya laboratoriya Vsesoyuznogo nauchno-
issledovatel'skogo instituta vodosnabzheniya, kanalizatsii,
gidrotekhnicheskikh sooruzheniy i inzhenernoy gidrogeologii.
(Dams)

VOROB'YEV, P. F.

USSR/Engineering - Pumps

Jan/Feb 53

"Hydraulic Dredge Pump," P. F. Vorob'yev

Rech Trans, No 1, pp 44, 45

Describes new-type hydraulic dredge pump, designed by Engr B. A. Borodzich, which uses water-jet pumps. Main parts of dredge pump are centrifugal pump, suction device, and pressure ground duct. The centrifugal pump impels clean water to the ring water-jet pump in the end of the suction (ground intake) device, thus creating a

271T66

cone of vacuum in the mixing chamber. Gives specifications, and results of experimental use in 1951.

SOV/174-58-5-29/37

AUTHOR: Vorob'yev, P.I., Colonel

TITLE: Of Those, Who Work on the Journal in the Editing Section
(O tekh, kto truditsya nad zhurnalom v izdatel'stve)

PERIODICAL: Artilleriyskiy zhurnal, 1958, Nr 5, pp 35-37 (USSR)

ABSTRACT: The author gives the names and describes the work of many of the editorial and printers staff of the Journal: Chief Proof Reader A.N. Shabalova, Technical Editor V.G. Zorin, Proof Reader M.M. Krapivina. There are 7 photographs.

Card 1/1

SMIRNOVA, I.N.; BALEZIN, S.A.; GOLOVANOV, K.N.; Primali uchastiye:
DEM'YANOV, L.A.; TURKEVICH, A.I.; VCROB'YEV, P.I.; FEDOTOV, V.S.;
CHURILOV, Ye.M.

Effect of organic additives in fuel on the corrosion and wear
of internal combustion engines. Uch. zap. MGPI no.146:127-146
'60. (MIRA 15:4)
(Gas and oil engines--Corrosion) (Addition reactions)

TOLUBINSKIY, V.I. [Tolubyns'kyi, V.I.]; VOROB'YEV, P.I. [Vorobiov, P.I.];
RAILKO, G.A. [Railko, H.O.]; KOZLYUK, V.N. [Kozliuk, V.M.]

Pilot plant in Aleksandriya for studying the utilization of
lignite for power fuel production. Zbir.prats' Inst.tepl.AN
URS no.25:49-56 '61. (MIRA 15:2)

(Aleksandriya--Coke)
(Lignite)

Tracer method of investigating...

S/081/62/000/004/070/097
B138/B110

variation in wear tempo", which is the ratio of $\tan \alpha$ of a standard oil (industrial 50 + 3 % ЦИАТИМ-330 (TsIATIM-330)) and $\tan \alpha$ of the test specimen expressed in percentages. The high wear resistance of the oils was found to be determined by the S-concentration of the Novo-Ufinka oil base fraction. The thickened oils showed better wear resistance than ordinary oils with additives and the sulfurous ones produced by the Novo-Ufinka NPZ were somewhat better than those from Baku. [Abstracter's note: Complete translation.]

Card 2/2

VOROB'YEV, P.I.

Composition of wind erosion deposits from the Chernozems in Stavropol Territory. Pochvovedenie no.3:110-113 Mr '63. (MIRA 16:3)

1. Gosudarstvennyy soyuznyy proyektnyy institut No.3.
(Stavropol Territory—Soils—Composition) (Chernozem soils)

VOROB'YEV, P. I.

VOROB'EV, P. I. and BABUKHI, G. L. (Institute of technical thermal physics of Academy of Sciences of Ukrainian SSR)

"Influence of fractional composition of fuel on process of ignition and burning of torches".

Report presented at the Section on Physics of Combustion, Scientific Session, Council of Acad. Sci. Ukr SSR on High Temperature Physics, Kiev, 2-4 Apr 1963.

Reported in Teplofizika Vysokikh temperatur, No. 2, Sep-Oct 1963, p. 321, JPRS 24,651. 19 May 1964.

VOROB'YEV, P.K.

Study of the physical characteristics of the active level of an
undrained bog. Study no. 126:65-75 '65.

(MIRA 18:8)

VOROB'YEV, P.K.

Study of the water yield of lowland swamps of Western Siberia.
Trudy GGI no.105:45-79 '63. (MIRA 16:6)

(Siberia, Western--Swamps)

VOROB'YEV, P.L.

23583

MATERIALY K VOPROSY OB IZUCHENII SANITARNYKH POSLEDSTVIY
VELIKOY OTECHESTVENNOY VOYNY V SARATOVSKOY OBLASTI.
TRUDY SARAT. GOS. MED. IN-TA, T. VIII, 1949, O. 109--IS.

SO: LETOPIS' NO. 31, 1949.

VOROB'YEV, P.N.

Scientific technical conference of engineers inspecting metallurgical enterprises. Bezop.truda v prom. 6 no.6:38 Je '62. (MIRA 15:11)
(Metallurgical plants)

APOLLONOV, S.L.; VOROB'YEV, P.M.

Results of increasing the responsibility of industrial managers.
Bezop.truda v prom. 4 no.11:16-17 N '60. (MIRA 13:11)
(Industrial safety)

VOROB'YEV, P.N.

~~Conference on protection from heat radiation in the steel~~
industry. Bezop.truda v prom. 3 no.9:38-39. 8 '59.
(MIRA 13:2)

(Steelworks--Safety measures--Congresses)

VOROB'YEV, P.N.

Achievements of an advanced constructor team. Bezop. truda v prom.
2 no.12:25-26 D '58. (MIRA 11:12)
(Furnaces--Construction) (Industrial safety)

~~VOROB'YEV, P.H.~~

Cooperation of engineers and public inspectors. Bezop.truda v
prom. 1 no.6:35-36 Je '57. (MIRA 10:7)
(Mine inspection)

VOROB'YEV, P. V.

KOVAL'CHUK, V.M., polkovnik; NOSOV, F.V., doktor istoricheskikh nauk, kapitan 1 ranga, redakter; GRASS, I.P., mayor, redakter; VOROB'YEV, P.V., kapitan 3 ranga; ZEMLIN, N.N., podpolkovnik; MORDEVINOV, R.N., kandidat veenno-morskikh nauk, kapitan 1 ranga, redakter; IZACHIK, N.G., kontr-admiral, redakter; LYUSHKOVSKIY, N.W., polkovnik, kandidat istoricheskikh nauk, redakter. ANDREYEV, N.I., kapitan 1 ranga, redakter; BOL'SHAKOV, N.V., kapitan 2 ranga, redakter; BYKOV, P.D., kapitan 1 ranga v obshchestve, redakter; KOVALENKO, S.I., professor, redakter.

[History of naval art] Istoriia veenno-morskogo iskusstva. Vol. 1.
[Naval art of slaveholding and feudal society] Veenno-morskoe iskusstvo raboyadatel'skogo i feodal'nogo obshchestva. 1953. 275 p.
(MLBA 7:5)

1. Russia (1923- U.S.S.R.) Glavnyy shtab voyenno-morskikh sil
Istoriicheskiye otdeleniye.
(Naval art and science--History)

VOROB'YEV, P.V., inzh.

Decreasing the consumption of electric power by pumping stations.
(MIRA 11:11)

Energetik 6 no.9:16 S '58.
(Pumping stations) (Electric power)

AUTHOR: Vorob'yev, P.V., Engineer SOV-91-58-9-7/29

TITLE: Decreasing the Electric Power Consumption in Pumping Stations
(Snizheniye raskhoda elektroenergii nasosnymi stantsiyami)

PERIODICAL: Energetik, 1958, Nr 9, p 16 (USSR)

ABSTRACT: The pumping station of an industrial enterprise uses centrifugal pumps whose characteristics often differ from those of the actual pipe network, considerably exceeding the required pressure head. To lower the pressure head, the pumps' impellers may have their diameter decreased. Experience has shown that this has no harmful effect on the pump. It does, however, decrease the pressure developed and therefore the electricity consumed in the process. The saving in electricity is almost 35% of the previous consumption. There is 1 table.

1. Centrifugal pumps--Performance aspects 2. Centrifugal pumps--Economic aspects

Card 1/1

VOROB'YEV, S.

USSR/Electronics - Tuning

Card : 1/1 Pub. 89 - 16/24

Authors : Vorob'ev, S.

Title : Quiet tuning of radio receivers

Periodical : Radio 6, 38 - 39, June 1954

Abstract : The following systems of quiet tuning, by means of a special tuning attachment, are described: a quiet tuning system controlled by the receiver's tuning-indicator, and a system controlled by voltage taken off either from the diode-detector load or from the receiver AVC circuit. The above two systems can be modified by combining either of these with an attachment having an automatic upper and lower frequency cut-off. Circuit diagrams, illustrating the operation of each of the above systems, and views of the tuning attachments, are shown.

Institution : ...

Submitted : ...

USSR/ Electronics - Radio receivers

Card 1/1 Pub. 89 - 25/31

Authors : Vorob'yev, S., and Korobovkin, V.

Title : A simple heterodyne receiver

Periodical : Radio 11, 49-52, Nov 1954

Abstract : A six-tube simplified-type heterodyne receiver that can be built by radio amateurs, utilizing standard parts, is described and instructions for the assembly of the various component parts are given. The receiver operates on long (150 - 2000 m), medium (200 - 550 m) and short 19 - 50 m) wave bands. A general layout diagram indicating the types of tubes used in the various circuit stages is presented. The general description covers also the following items: a) the frequency-converter, the pre-amplifier and intermediate amplifier stages and a cathode-ray tube. The chassis, the cabinet design and tuning are also described. The results of the preliminary test are described in the concluding section. It is claimed that, in addition to reception from the Moscow Central Region, good reception is also obtained from Leningrad, Kiev, Rostov, Voronezh, Kharkov, Odessa, Minsk, and the Satellite Countries. Diagrams; illustrations; table.

Institution : ...

Submitted : ...

VOROB'YEV, S.

Switching a superheterodyne radio receiver into a straight amplification circuit. Radio no. 7:43 J1'55. (MLRA 8:10)
(Radio--Receivers and reception)

VOROB'YEV, S.

Radio, television, and phonograph console. Radio no. 11:36-37 H'55.
(MIRA 9:1)

(Radio--Receivers and reception) (Television--Receivers and
reception)

VOROB'YEV, S.

AID P - 4930

Subject : USSR/Electronics
Card 1/1 Pub. 89 - 14/17
Author : Vorobyev, S.
Title : ~~Automatic tuning of the receiver~~
Periodical : Radio, 7, 49-51, J1 1956
Abstract : The author describes arrangement for the automatic tuning of radio receivers, mostly of the automobile type, and for receivers of higher quality. Five detailed connection diagrams.
Institution : None
Submitted : No date

VOROB'YEV, S.

The socket-powered 1-V-1 receiver. V pom. radiolub. no.2:3-12 '57.
(Radio--Receivers and reception) (MIRA 10:8)

VOROB'YEV, S.
VOROB'YEV, S.

A simple superheterodyne receiver. V pom. radioljub. no.3:3-15 '57.
(Radio--Receivers and reception) (MIRA 10:12)

VCROB'YEV, S., inzh.

The "Lisolcy" radio receiver. Radio no.5:24-25 My '65. (MIRA 18:5)

VOROB'YEV, S., prof.

Creative introduction of crop rotations. Inform.biul.VDSKH
no.1:22-24 Ja '65. (MIRA 18:3)

1. Nachal'nik Upravleniya nauki, propagandy i vnedreniya peredovogo
opyta Ministerstva sel'skogo khozyaystva SSSR.

LOBANOV, P.; LOZA, G.; CHIZHEVSKIY, M.; VOROB'YEV, S.; VIL'YAMS, V.;
SOBOLEV, S.; PAVLOV, G.; GARKUSHA, I.; FRANTSESSON, V.; MERSHIN, A.;
PERSHINA, M.

Vladimir Petrovich Bushinskii. Zemledolie 8 no.7:94-95 J1 '60.
(MIRA 13:9)
(Bushinskii, Vladimir Petrovich, 1885-1960)

VOROB'YEV, S.

On the economic analysis of the carrying out of a credit plan.
Den. i kred. 18 no. 6:40-42 Je '60. (MIRA 13:6)
(Chemical industries--Finance) (Credit)

VOROB'YEV, S.

Transistorized beta-gamma radiometer. V pom.radioljub.
no.5:25-30 '58. (MIRA 13:7)
(Radiometer)

VOROB'YEV, S., sportsmen 1-go razryada (Leningrad)

Model helicopter with a piston engine. Kryl.rod. 10 no.2:24
F '59. (MIRA 12:5)

(Helicopters--Models)

6(4)

VOROB'YEV, S.

SOV/1903

PHASE I BOOK EXPLOITATION

Vsesoyuznoye dobrovol'noye obshchestvo sodeystviya armii, aviatsii
i flotu

V pomoshch radiolyubitelyu, vyp. 3 (Manual for Radio Amateurs Nr 3)
Moscow, Izd-vo DO SAAF, 1957. 64 p. Errata slip inserted.
100,000 copies printed.

Ed.: A. A. Vasil'yev; Tech. Ed.: L. T. Tsigel'man.

PURPOSE: The booklet belongs to a series published by the DOSAAF
organization (All-Union Voluntary Society for the Promotion of
the Army, Air Force, and Navy) for radio amateurs.

COVERAGE: The booklet consists of several articles written by
different authors on subjects that include descriptions of a
standard superheterodyne 6-tube receiver, an UKV (ultrashortwave)
battery radio receiver, an UKV ChM (ultrashortwave FM) unit,
a simplified calculation of power transformers and autotrans-
formers, and band switches of radio broadcasting receivers.
There are no references.

Card 1/2

SOV/1903

Manual for Radio Amateurs Nr 3

TABLE OF CONTENTS:

Vorob'yev, S.	Standard Superheterodyne Receiver	3
Babayev, B.	UKV [Ultrashortwave] Battery Radio Receiver	15
Korobovkin, V., and A. Nefedov.	UKV ChM [Ultrashortwave FM] Unit	23
Ivanov, V.	Simplified Calculation of Power Transformers and Autotransformers	38
Andreyev, I., and M. Ganzburg.	Band Switches of Radio Broadcasting Receivers	48

AVAILABLE: Library of Congress

TM/dfh
7-22-59

Card 2/2

VOROB'YEV, S.; BERKOVICH, Z. (g. Ulan-Ude); PEREMYSLYY, D.; MATVEYEV, P.;
~~BERKOVICH, N. (Kuybyshev); VILL, Kh.; NOVIKOVA, I.; TENENBAUM, V.~~

Improve the procedure for issuing credit to the forest industry.
Den. 1 kred. 16 no. 5:54-66 My '58. (MIRA 11:6)
(Lumbering--Finance)

VOROB'YEV, S. A.

S. A. Vorob'yev, Candidate in Technical Sciences, Proverka metallorezhushchikh stankov na tochnost' /Checking the Accuracy of Metal-Cutting Machine Tools/, Mashgiz, 8 sheets, 10,000 copies, 1953

The booklet gives a comparative analysis of methods of checking the accuracy of metal-cutting machine tools with the state standard, and describes checking methods which have been proven in practice and are in widespread use in machine-tool-building plants. The methods described have been generalized for checking the accuracy not of individual types of machine tools, but of the concrete details, machine units, and mechanisms.

The booklet is intended for technical engineering workers, repair service foremen and brigade leaders of machine-tool-building plants.

SO: U-6472, 12 Nov 1954

VOROB'YEV, S.A.

Reasonable selection of motors for drives operating under frequent
switching conditions. Trudy Ural.politekh.inst. no.45:156-180 '53.
(MLRA 9:11)

(Electric motors) (Electric driving)

YOROB'YEV, S.A.

YOROB'YEV, S.A., kandidat tekhnicheskikh nauk; DONSKOY, Ya.Ye., redaktor;
ZAMAKHOVSKIY, L.S., tekhnicheskij redaktor

[Ways of reducing work time in machine operation] Puti sokrashche-
niia vspomogatel'nogo vremeni [Khar'kov] Khar'kovskoe obl.isd-vo,
1955. 111 p. (MLRA 9:1)

(Efficiency, Industrial)

VOROB'YEV, S.A.; ROKSHEVSKIY, V.A.

Electromagnetic conveyor. Mashinostroitel' no. 5:6-7 My '64.
(MIRA 17:7)

VOROB'YEV, S. A.; MIRONOV, E. G.

Possibility of maintaining the blast conditions of a blast
furnace at the optimum level. Izv. vys. ucheb. zav.; chern.
met. 7 no.6:191-198 '64. (MIRA 17:7)

1. Ural'skiy politekhnicheskiy institut.

VOROB'YEV, S. A.

Vorob'yev, S. A. and Trima, N. K. - "On the utilization periods of grasses in field-crop rotation," Doklady (Mosk. s.-kh. akad. im. Timiryazeva), Issue 9, 1949, p. 51-56

SO: U-5240, 17. Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No.25,1949).

VOROB'YEV, S. A.;

Agriculture & Plant & Animal Industry.

Practical laboratory manual in agriculture. Moskva. Gos. izd-vo sel'khoz.
lit-ry, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1951/2 Uncl.

VOZROJENIE, 3. 1.

Proper rotation of crops is the basis of high yields. Moskva, Znanie, 1953. 31 p.
(Series 5, no. 26)

1. Rotation of crops. 2. Agriculture - Russia.

VOBOB'YEV, Sergey Andreyevich; YEGOROV, V.Ye.; KISELEV, A.N.; CHIZHEVSKIY,
M.G., professor, redaktor; GRACHEVA, V.S., redaktor; VESKOVA, Ye.I.,
tekhnicheskij redaktor

[Manual for laboratory work on problems in agriculture] Rukovodstvo
k laboratorno-prakticheskim zaniatiyam po zemledeliiu. Izd. 2-oe,
perer. Pod red. M.G.Chizhevskogo. Moskva, Gos. izd-vo selkhoz. lit-
ry, 1956. 326 p. (MIRA 9:9)
(Agriculture--Study and teaching)

VOROB'YEV, S.A., kandidat sel'skokhozyaystvennykh nauk, dotsent.

The place of perennial grasses and the duration of their usefulness
in crop rotations in the non-Chernozem zone. Izv. TSKhA no.3:35-52
'56. (MLRA 10:3)

(Grasses) (Rotation of crops)

VOROB'YEV, S. A., Doc Agr Sci -- (diss) "Agrotechnical Foundations of ~~Field Crop~~ Rotation^s in the Non-Chernozem Belt." Mos, 1957. 40 pp (Mos Order of Lenin Agricultural Acad im K. A. Timiryazev), 110 copies (KL, 47-57, 89)

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Vorob'yev S.A.

CHIZHEVSKIY, Mikhail Grigor'yevich, prof.; KISELEV, A.N., dots.; ~~VOROB'YEV,~~
S.A., dots.; YEGOROV, V.Ye., prof.; BALEV, P.M., dots.; YAMNIKOV,
A.N., assistant; CHELYSHKIN, Yu.G., red.; GOR'KOVA, Z.D., tekhn.
red.

[General agriculture] Obshchee zemledelie. Pod red. M.G.Chizhevskogo.
Moskva, Gos.izd-vo sel'khoz. lit-ry, 1957. 357 p. (MIRA 11:2)
(Agriculture)

VOROB'YEV, S.A., kandidat sel'skokhozyaystvennykh nauk, dotsent.

Place of annuals in field crop rotations of the non-Chernozem
zone. Izv.TSKhA no.1:31-60 '57.- (MIRA 10:7)
(Rotation of crops) (Annuals (Plants))

VOROB'YEV, S.A., kandidat sel'skokhozyaystvennykh nauk.

Efficient use of crop rotations. Zemledelie 5 no.6:58-63 Je '57.
(MLRA 10:8)

(Rotation of crops)

VOROB'YEV, S.A.

VOROB'YEV, S.A., kand. sel'skokhozyaystvennykh nauk.

History of the development of crop rotations in the non-Chernozem
zone during the Soviet period. Zemledelie 5 no.11:69-76 N '57.
(Rotation of crops) (MLRA 10:11)

VOROB'YEV, S.A., doktor sel'skokhozyaystvennykh nauk

Role of annual crops in increasing the fertility of Turf-Podzol
soils. Zemledelie 6 no.9:15-20 S '58. (MIRA 11:9)
(Podzol) (Crops and soils) (Rotation of crops)

VOROB'YEV, Sergey Andreyevich; KATSNEL'SON, S.M., red.; BERLOV, A.P., tekhn.
red.

[Crop rotation is an important factor in agriculture] Sevooboroty -
vazhnoe uslovie kul'tury zemledeliia. Moskva, Izd-vo "Znanie,"
1958. 31 p. (Vsesoiuznoe obshchestvo po rasprostraneniuiu politi-
cheskikh i nauchnykh znanii. Ser.5, no.18). (MIRA 11:7)
(Rotation of crops)

VOROB'YEV, S.A., prof., doktor sel'skokhozyaystvennykh nauk; KRUPENINA,
A.P., kand. sel'skokhozyaystvennykh nauk

Intermediate crops are an additional possibility for increasing
the yield of farm crops. Izv. TSKhA no. 6:45-56 '59.
(MIRA 13:6)

(Rotation of crops)

VOROB'YEV, S.A., doktor sel'skokhozyaystvennykh nauk

Green fallows in the non-Chernozem zone. Zemledelie 7 no.4:19-26
Ap '59. (MIRA 12:6)

1. Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya
imeni K.A.Timiryazeva.
(Following)

VOROB'YEV, S.A., doktor sel'skokhozyaystvennykh nauk; KRUPENINA, A.P., kand.
~~sel'skokhozyaystvennykh nauk~~

Grow stubble crops on collective and state farm fields.
Zemledelie 7 no.6:36-40 Je '59. (MIRA 12:8)
(Field crops)

VOROB'YEV, Sergey Andreyevich, prof.; KUDRYAVTSEV, S.P., red.; NAUMOV,
K.M., tekhn. red.

[High standards of agriculture lead to high crop yields] Kul'tura
zemledeliia - put' k vysokim urozhaiam. Moskva, Izd-vo VPSH i AON
pri TsK KPSS, 1960. 67 p. (MIRA 14:7)
(Agriculture)

VOBOB'YEV, S.A., doktor sel'skokhozyaystvennykh nauk

Specialization of crop rotations in the non-Chernozem zone.
Zemledelie 8 no.8:29-36 Ag '60. (MIRA 13:8)
(Rotation of crops)

VOROB'YEV, Sergey Andreyevich, doktor sel'khoz. nauk, prof.; AVAYEV, Mikhail Grigor'yevich, kand. sel'khoz. nauk, dotsent; CHELYSHKIN, Yu.G., red.; DEYEVA, V.M., tekhn. red.

[Practical and laboratory work in soil science and agriculture] Laboratorno-prakticheskie zaniatiia po pochvovedeniiu i zemledeliiu. Izd.2., perer. Moskva, Gos. izd-vo sel'khoz.lit-ry, zhurnalov i plakatov, 1961. 335 p. (MIRA 14:7)
(Soils) (Agriculture)

VOROB'YEV, Sergey Andreyevich, doktor sel'khoz. nauk; SHULEYKIN,
P.A., red.; ATROSHCHENKO, L.Ye., tekhn. red.

[Intensive farming systems and rotation of crops] Intensivnye
sistemy zemledeliia i sevooboroty. Moskva, Izd-vo "Znanie,"
1962. 44 p. (Narodnyi universitet kul'tury: Sel'skokhoziai-
stvennyi fakul'tet, no.8) (MIRA 15:9)
(Rotation of crops)

VOROB'YEV, S.A., red.

[General agriculture] Obshchee zemledelie. Moskva, Kolos,
1964. 438 p. (MIRA 18:8)

VOROB'YEV, Sergey Andreyevich, doktor sel'khoz. nauk; ISAYEV, V.A.,
red.

[Rotation of crops and crop yields; rotation of crops in
systems of intensive agriculture] Sevooborot i urozhai;
sevooboroty v intensivnykh sistemakh zemledeliia. Moskva,
Izd-vo "Znanie," 1965. 30 p. (Novoe v zhizni, nauke,
tekhnike. V Serii: Sel'skoe khoziaistvo, no.17)
(MIRA 18:8)

VOROB'YEV, S.A., prof.; KRUPENINA, A.P., kand. sel'skokhoz. nauk;
LOSHAKOV, V.G., kand. sel'skokhoz. nauk; VOZNESENSKIY, K.N.;
KUDIN, V.I.; KOBLEV, Yu.M.; YEFIMOV, I.T., kand. sel'skokhoz.
nauk; MASANDILOV, E.S., kand. sel'skokhoz. nauk; NAFTALIYEV,
Sh.P., aspirant; PANASYUK, B.A., aspirant

Concentration of crop rotations. Zemledelie 27 no.7:55-70
Jl '65. (MIRA 18:7)

1. Moskovskaya sel'skokhozyaystvennaya akademiya imeni
K.A. Timiryazeva (for Vorob'yev, Krupenina, Loshakov).
2. Glavnyy agronom po kormam Ministerstva sel'skogo kho-
zyaystva Tadzhikskoy SSR (for Voznesenskiy). 3. Brestskaya
oblastnaya sel'skokhozyaystvennaya opytnaya stantsiya (for
Kudin). 4. Adygeyskaya oblastnaya sel'skokhozyaystvennaya
opytnaya stantsiya (for Koblev). 5. Krasnodarskiy nauchno-
issledovatel'skiy institut sel'skogo khozyaystva (for Yefimov).
6. Dagestanskiy nauchno-issledovatel'skiy institut sel'skogo
khozyaystva (for Naftaliyev). 7. Ukrainskaya sel'skokhozyayst-
vennaya akademiya (for Panasyuk).

VCROB'YEV, S.A.

New agricultural equipment under public control. Mashinostroitel'
no.11:2 N '64 (MIRA 18:2)

VOROB'YEV, S.A.; MIRONOV, E.G.

Algorithm and structure of discrete device for controlling the deviation of blast furnace blast conditions from optimum conditions.
Izv. vys. ucheb. zav.; chem. met. 7 no.12:148 '64 (MIRA 18:1)

1. Ural'skiy politekhnicheskiy institut.

VOROB'YEV, S.A., doktor sel'skokhozyaystvennykh nauk, prof.; KRUPENINA,
A.P., kand. sel'skokhozyaystvennykh nauk; LOSHAKOV, V.G.,
aspirant

Postharvest crops and the fertility of turf-Podzolic soils.
Izv. TSKHA no.4:16-32 '63. (MIRA 17:1)

VOROB'YEV, S.A., mladshiy nauchnyy sotrudnik

Use of furazolidone and terramycin against pullorum disease of
poultry. Veterinariia 40 no.7:45 JI '63. (MIRA 16:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut ptitsevodstva.
(Pullorum disease) (Oxazolidinone) (Terramycin)

VOROB'YEV, S.A., prof.; GORDINSKIY, Ya.B.

Fall tillage for spring crops. Zemledelie 25 no.8:27-36 Ag '63.
(MIRA 16:10)

1. Nachal'nik Upravleniya nauki, propagandy i vnedreniya peredovogo opyta Ministerstva sel'skogo khozyaystva SSSR (for Vorob'yev).
2. Uchenyy sekretar' otdeleniya zemledeliya Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I. Lenina (for Gordinskiy).
(Tillage)

DARKHANOV, V.D., aspirant; VOROB'YEV, S.A., prof., nauchnyy rukovoditel'

Stubble crops mowed in spring for farage and their effect on
the yield of following crops. Izv. TSKhA no.6:67-72 '61.
(MIRA 16:8)

(Field crops)

VOROB'YEV, S.A.; MIRONOV, E.G.

Arrangement for obtaining optimum performance from a blast furnace.
Izv. vys. ucheb. zav.; Chern. met. 8 no.2:180 '65.

(MIRA 18:2)

1. Ural'skiy politekhnicheskiy institut.

SOICH, O.V.; VOROB'YEV, S.A., kandidat tekhnicheskikh nauk, redaktor;
DOHSKOY, Ya. Ye., redaktor; SHEVCHENKO, M.G., tekhnicheskij
redaktor

[The struggle for high work productivity] V bor'be za vysokuyu
produktivnost' truda. [Khar'kov] Khar'kovskoe obl. izd-vo,
1955. 81 p. (MLRA 9:2)

1. Direktor Khar'kovskogo podshipnikovogo zavoda (for Soich)
(Efficiency, Industrial)

VGHOB'YSV, S.A., dotsent, kand.tekhn.nauk; DONSKOY, Ya.Ye., red.;
SHEVCHENKO, M.G., tekhn.red.

[New technological processes] Novye tekhnologicheskie
protsessy; sbornik statei. Khar'kov, Khar'kovskoe obl.
izd-vo, 1957. 126 p. (MIRA 12:12)
(Technology)

VOROB'YEV, S. A.

137-58-5-9011

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 37 (USSR)

AUTHOR: Vorob'yev, S. A.

TITLE: Automation and Electric Power for Mechanisms Employed for Blast-furnace Charging (Elektroprivod i avtomatizatsiya mekhanizmov sistemy zagruzki domennykh pechey)

PERIODICAL: V sb.: Materialy konferentsii-kursov po elektroprivodu i avtomatiz. tekhnol. protsessov metallurg. predpriyatiy. Sverdlovsk, Metallurgizdat, 1957, pp 27-45

ABSTRACT: The article presents a description of a system developed by the Ural Polytechnic Institute and the Novo-Tagil Metallurgical Plant (UPI-NTMZ) [Russian typesetting error - Transl. Note] for the automation of processes of preparing the blast-furnace charge with the aid of scale cars. Program panels, installed in the operator's booth, direct the qualitative and quantitative selection of charge materials; corresponding mechanisms on the scale cars serve as the executing organs. The feed-back from the scale cars is accomplished by means of a pulse-spring arrangement which is linked to the scale system. The movement of the scale cars is controlled by the operator. Systems for automatic con-

Card 1/2

137-58-5-9011

Automation and Electric Power (cont.)

trol of the movement of the scale cars have been developed. The author describes a system developed in principle by the UPI-NTMZ, as well as improvements which have been made on it, and evaluates the prospects for future development of automatic control of processes for preparing a blast-furnace charge.

V. K.

1. Blast furnaces--Operation
2. Blast furnaces--Control systems

Card 2/2

VOROB'YEV, S. A.

137-1958-1-206

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 32 (USSR)

AUTHOR: Vorob'yev, S. A.

TITLE: Problems of Remote-control Automation of the Charging of Blast
Furnaces (Zadachi teleavtomatizatsii zagruzki domennykh pechey)

PERIODICAL: Sessiya AN SSSR po nauchn. probl. avtomatiz. proiz-va,
1956, Vol 4. Moscow, AN SSSR, 1957, pp 201-202

ABSTRACT: We are informed of the work of the Ural'skiy Politekhn. in-t
(Ural Polytechnic Institute) in the automation of scale cars. The
first stage in automation involves successive selection, weighing,
and charging of the charge components according to a given pro-
gram. The function of the operator is reduced merely to control-
ling the movements of the scale cars. In 1955 all the furnaces
of the Novo-Tagil works were equipped with this type of automation.
The second stage envisages automation of the motion of the scale
cars and elimination of the operator. Mechanical devices remotely
controlled from the central programming equipment will provide
the instructions for the scale cars to move and stop.

A. Ch.

Card 1/1

1. Blast furnaces--Charging--Automation 2. Blast furnaces--
Operation--USSR

ZMAGA, P.I.; BULGAKOV, V.A., glavnyy inzh., nauchnyy red.; VOROB'YEV, S.A., dotsent, kand.tekhn.nauk, nauchnyy red.; SHUBENKO-SHUBIN, L.A., glavnyy konstruktor, nauchnyy red.; DOMSKOY, Y.Ye., red.; SHEVCHENKO, M.G., tekhn.red.

[New machines; collection of articles on new machines, motors, and apparatus made at Kharkov enterprises from 1956 to 1958]
Novye mashiny; sbornik statei o novykh mashinakh, motorakh, apparatakh, sozdannykh na kharkovskikh predpriyatiyakh v period 1956-1958 gg. Khar'kovskoe obl.izd-vo, 1958. 226 p.

(MIRA 12:5)

1. Zaveduyushchiy otdelom mashinostroyeniya Khar'kovskogo obkoma Kommunisticheskoy partii Ukrainy (for Zmaga). 2. Khar'kovskiy elektromekhanicheskiy zavod (for Bulgakov). 3. Khar'kovskiy turbinnyy zavod imeni Kirova; chlen-korrespondent Akademii nauk USSR (for Shubenko-Shubin).
(Kharkov--Machinery)

VOROB'YEV, S.A., kand.tekhn.nauk, otv.red.; KONOVAIOV, A.I., inzh., red.;
MAKARENKO, V.P., inzh., red.; MIKHEYEV, M.Y., inzh., red.; NOVILOVA,
N.T., inzh., red.; PIKHOVNIKOV, R.V., prof., red.; PODLOZHENOV,
P.M., inzh., red.; SEMKO, M.F., prof., red.; TOROPOV, A.I., inzh.,
red.; TSERKOVNIY, I.M., inzh., red.; CHERKASHIN, I.P., inzh., red.;
SHEVCHENKO, M.G., tekhn.red.; LIMANOVA, M.I., tekhn.red.

[Mechanization and automation of production processes; proceedings
of the city technical conference] Mekhanizatsiia i avtomatizatsiia
proizvodstvennykh protsessov; sbornik materialov gorodskoi tekhnicheskoi konferentsii. Khar'kov, Khar'kovskoe knizhnoe izd-vo,
1959. 295 p. (MIRA 13:1)

1. Kommunisticheskaya partiya Ukrainy. Khar'kovskiy gorodskoy
komitet. 2. Nachal'nik Ukrainskoy proyektno-konstruktorskoy
kontory "Prommekhanizatsiya". (for TSerkovnyy).
(Automation) (Technological innovations)

ZMAGA, P.I., inzh., red.; VOROB'YEV, S.A., kand.tekhn.nauk, red.; KUZUBOV, V.I., inzh., red.; LEONOV, A.Ye., dotsent, red.; MALYSH, Yu.I., inzh., red.; PUSTOVALOV, V.I., inzh., red.; SAVCHENKOV, V.A., kand.tekhn.nauk, red.; KHMARA, S.M., kand.tekhn.nauk, red.; DONSKOY, Ya.Ye., red.; LYALYUK, I.P., red.; SHEVCHENKO, M.G., tekhn.red.

[Advanced technology: collection of articles on the introduction of advanced technology in machinery plants of Kharkov] Progressivnaya tekhnologiya; sbornik statei ob opyte vnedreniya progressivnoi tekhnologii na khar'kovskikh mashinostroitel'nykh zavodakh. Khar'kov, Khar'kovskoe knizhnoe izd-vo, 1959. 297 p. (MIRA 13:1)

1. Politekhnicheskiy institut imeni Lenina (for Khmara).
(Kharkov--Machinery industry--Technological innovations)